

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G01N 33/00, A01K 67/027, C12N 5/00		A1	(11) International Publication Number: WO 00/50892
			(43) International Publication Date: 31 August 2000 (31.08.00)
(21) International Application Number: PCT/US00/04703		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 22 February 2000 (22.02.00)			
(30) Priority Data: 60/120,269 24 February 1999 (24.02.99) US		Published With international search report.	
(71)(72) Applicant and Inventor: BERNSTEIN, Eric, F. [US/US]; 1321 Grennox Road, Wynnewood, PA 19096 (US).			
(74) Agents: LICATA, Jane, Massey et al.; Law Offices of Jane Massey Licata, 66 E. Main Street, Marlton, NJ 08053 (US).			
(54) Title: AN <i>IN VIVO</i> AND <i>IN VITRO</i> MODEL FOR CUTANEOUS PHOTOAGING AND OXIDATIVE DAMAGE			
(57) Abstract <p>Transgenic hairless mice which express a full length or truncated human elastin promoter and fibroblast cultures derived from these transgenic mice are provided. Also provided are methods of identifying compounds capable of inhibiting cutaneous photodamage with these transgenic hairless mice or fibroblast cultures derived from these mice. In addition, an <i>in vitro</i> system for identifying agents capable of inhibiting or preventing oxidative damage in these mice fibroblast culture wherein reactive oxygen species are generated within the mouse fibroblast culture and a method for identifying agents which prevent oxidative damage are provided.</p>			